Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Tuesday 02 Feb 2021 until 23:59 on Wednesday 03 Feb 2021

Forecast Issued on Monday 01 Feb 2021 at 13:25

Confidence: High confidence in the forecast for the Tuesday and Wednesday although snow amounts may vary on the hills however decreasing confidence from Thursday, please continue to follow for updates.

Headline for Tuesday 02 Feb 2021: Heavy and persistent snowfall on the dales with strong winds, strong winds on the tops, blizzards are possible.

Mountain weather hazards on Tuesday 02 Feb 2021

Blizzards Low Likelihood	**Heavy Snow** Medium Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Dull	Light snow	Heavy snow	Heavy snow	Sleet showers	Sleet	Sleet
Precipitation probability							
20%	30%	40%	80%	80%	60%	60%	60%

Forecast for Tuesday 02 Feb 2021

Weather: Although it will be dry in the early hours a band of rain, sleet and snow will move east across the Yorkshire Dales in the morning. This will fall as snow above 200m but turning increasingly to rain and sleet at lower level during the afternoon as freezing level rises. Strong winds will accompany the snow possibly causing blizzards on the tops and with a significant wind chill it will be quite difficult walking and navigation conditions. Snow clearing east in the afternoon with some drier and brighter spells expected but further light rain or sleet is expected during the evening.

Chance of cloud free mountain/hill tops above 600m: 10% or less, with significant snow and sleet expected for most of the day it is likely that the tops will be covered in cloud from above 300m, there will be a few breaks in the afternoon, chances perhaps increasing to 30% but still some patches of lower cloud at times, lower cloud becoming extensive again later.

Visibility: Visibility will be poor for much of the morning in snow/sleet, during heavier snowfall it will become very poor or even whiteout conditions from time to time. Low cloud will shroud the fells for much of the day with tricky navigation likely. During the afternoon visibility will improve moderate or good for a time with cloud rising to near or above summit level.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Tuesday 02 Feb 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	17/28 SE	19/29 E	22/33 E	22/33 E	15/23 E	11/17 E	13/22 E	12/20 E	9/15 E
300	12/26 SE	13/28 E	17/34 E	18/35 E	13/26 E	10/20 E	10/21 E	9/21 E	6/15 E
Valley	12/26 E	17/35 E	19/40 E	19/38 E	15/31 E	11/23 E	12/25 E	13/28 E	9/20 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-9	-2/-10	-3/-10	-2/-9	-2/-8	-1/-6	0/-5	0/-5	1/-4
300	0/-4	0/-5	-1/-7	-1/-7	0/-5	1/-4	1/-3	2/-2	2/-1
Valley	2/-3	2/-4	1/-6	1/-6	2/-4	3/-2	3/-1	4/-0	5/1
Freezing Level*	200m	200m	100m	200m	300m	400m	700m	900m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Stong winds will cause blizzard/whiteout conditions on the tops at times with a significant windchill likely, note the freezing level rising rapidly during the afternoon and evening.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Mon 01 Feb 2021	1mm	1mm	1.2mm

Forecast for Wednesday 03 Feb 2021

Weather: Further outbreaks of rain and sleet with freezing level likely to be around 1000m. Poorest conditions in the west of the Yorkshire Dales with a few cloud breaks or brighter spells in the east. There will be some dry periods but these will be hard to pinpoint.

Maximum wind: Southeasterly 15-20mph.

Chance of cloud free mountain/hill tops above 600m: 40% there will be periods of low cloud shrouding the tops in outbreaks of rain, sleet and snow but in between times the cloud should lift for periods above the summits.

Visibility: Visibility will be poor or very poor in outbreaks of sleet and snow with cloud becoming extensive over the dales from 400m to the summits, in drier periods cloud will thin and break with just patches from 600m and above.

Temperature: **Valleys:** Plus 1 rising to 6 Celsius.
At 600m: Plus 2 Celsius falling to minus 1 Celsius later.
Freezing level: Around 1400m falling to 800m later.

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